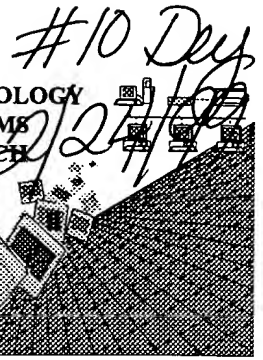


1/2uff

RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 08/833,506

Art Unit / Team No. : 1642

Date Processed by STIC: 7/14/98

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>
1 ____ Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
2 ____ Wrapped Aminos	The amino acid number/text at the end of each line "wrapped " down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
3 ____ Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces. All text must be visible on page.
4 ____ Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and uses spacing between the numbers.
5 <input checked="" type="checkbox"/> Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
6 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) features section that some may be missing.
7 <input checked="" type="checkbox"/> Wrong Designation	Sequence(s) <u>6, 7, 12, 13</u> contain amino acid or nucleic acid designators which are not standard representations as per the Sequence Rules (Please refer to paragraph 1.822)
8 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: This sequence is intentionally skipped Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
9 ____ Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence. <210> X <400> X 000
10 ____ Use of N's or Xaa's (NEW RULES)	Use of N's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
11 ____ Use of <213>Organism (NEW RULES)	Sequence(s) ____ are missing this mandatory field or it's response.
12 ____ Use of <220>Feature (NEW RULES)	Sequence(s) ____ are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
13 ____ Wrong Format	File submitted was in the alphabetical heading format of the Old Sequence Rules. This is invalid since the "Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Disclosures" Federal Register Notice, Vol. 63, No. 104, June 1, 1998, p. 29620 applies to applications filed on or after July 1, 1998.
14 ____ OTHER	_____

Steff

1642

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506

DATE: 07/14/98
TIME: 12:33:18

INPUT SET: S27446.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

SEQUENCE LISTING

1
2
3 (1) General Information:
4 (i) APPLICANT: ROBERT WEBBER
5 (ii) TITLE OF INVENTION: IMMUNOASSAY METHOD EMPLOYING MONOCLONAL
6 ANTIBODY REACTIVE TO HUMAN INOS
--> 7 (iii) NUMBER OF SEQUENCES: 85 126 shown in file (see p. 36)
8 (iv) CORRESPONDENCE ADDRESS:
9 (A) ADDRESSEE: BIELEN, PETERSON & LAMPE
10 (B) STREET: 1990 N. CALIFORNIA BOULEVARD, SUITE 720
11 (C) CITY: WALNUT CREEK
12 (D) STATE: CALIFORNIA
13 (E) COUNTRY: UNITED STATES OF AMERICA
14 (F) ZIP: 94596
15 (v) COMPUTER READABLE FORM:
16 (A) MEDIUM TYPE: DISKETTE 3.5 INCH, 1.44 MB FOR FORMATTED
17 (B) COMPUTER: IBM PC COMPATIBLE
18 (C) OPERATING SYSTEM: DOS
19 (D) SOFTWARE: WORDPERFECT 5.1
--> 20 (vi) CURRENT APPLICATION DATA:
21 (A) APPLICATION NUMBER: 08/634,332
22 (B) FILING DATE: 12 APRIL 1996
23 (C) CLASSIFICATION:
24 (vii) PRIOR APPLICATION DATA:
25 (A) APPLICATION NUMBER: ~~NONE~~ delete
26 (B) FILING DATE: NONE
27 (viii) ATTORNEY/AGENT INFORMATION:
28 (A) NAME: THEODORE J. BIELEN, JR.
29 (B) REGISTRATION NUMBER: 27,420
30 (C) REFERENCE/DOCKET NUMBER: 12280
31 (ix) TELECOMMUNICATION INFORMATION:
32 (A) TELEPHONE: (510) 937-1515
33 (B) TELEFAX: (510) 937-1529
34
35

Does Not Comply
Corrected Diskette Needed
See Error summary
sheet and
internal -
annotations
for error
descriptions
These go under (vii) PRIOR
APP DATA:

ERRORED SEQUENCES FOLLOW:

133 (2) INFORMATION FOR SEQ ID NO: 6:
134 (i) SEQUENCE CHARACTERISTICS:
--> 135 (A) LENGTH: 18
136 (B) TYPE: AMINO ACID

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:33:19

INPUT SET: S27446.raw

137 (D) TOPOLOGY: LINEAR
138 (ii) MOLECULE TYPE: PEPTIDE
139 (ix) FEATURE:
140 (A) NAME/KEY: MOUSE iNOS (776-792)
141 (B) LOCATION:
142 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
143 (D) OTHER INFORMATION:
144 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
145 *use "Xaa"*
--> 146 **Xxx** Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp
147 5 10
148 Cys Pro Thr Pro His
149 15
150
151 *see item #7 on Enr summary sheet*
152

153 (2) INFORMATION FOR SEQ ID NO: 7:
154 (i) SEQUENCE CHARACTERISTICS:
--> 155 (A) LENGTH: 18
156 (B) TYPE: AMINO ACID
157 (D) TOPOLOGY: LINEAR
158 (ii) MOLECULE TYPE: PEPTIDE
159 (ix) FEATURE:
160 (A) NAME/KEY: RAT iNOS (780-794)
161 (B) LOCATION:
162 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
163 (D) OTHER INFORMATION:
164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
165
--> 166 **Xxx Xxx** Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp
167 5 10
--> 168 Cys Ser Ser Pro **Xxx**
169 15
170
171

248 (2) INFORMATION FOR SEQ ID NO: 12:
249 (i) SEQUENCE CHARACTERISTICS:
--> 250 (A) LENGTH: 18
251 (B) TYPE: AMINO ACID
252 (D) TOPOLOGY: LINEAR
253 (ii) MOLECULE TYPE: PEPTIDE
254 (ix) FEATURE:
255 (A) NAME/KEY: HUMAN eNOS (1017-1031)
256 (B) LOCATION:
257 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
258 (D) OTHER INFORMATION:
259 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
260
261 Gly Ile Ala Pro Phe Arg Gly Phe Trp Gln Glu Arg Leu
262 5 10
--> 263 His Asp **Xxx Xxx Xxx**

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:33:21

INPUT SET: S27446.raw

264 15
265
266

267 (2) INFORMATION FOR SEQ ID NO: 13:
268 (i) SEQUENCE CHARACTERISTICS:
--> 269 (A) LENGTH: 18
270 (B) TYPE: AMINO ACID
271 (D) TOPOLOGY: LINEAR
272 (ii) MOLECULE TYPE: PEPTIDE
273 (ix) FEATURE:
274 (A) NAME/KEY: BOVINE eNOS (1019-1033)
275 (B) LOCATION:
276 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
277 (D) OTHER INFORMATION:
278 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
279
280 Gly Ile Ala Pro Phe Arg Gly Phe Trp Gln Glu Arg Leu
281 5 10
--> 282 His Asp Xxx Xxx Xxx
283 15
284
285

419 (2) INFORMATION FOR SEQ ID NO: 21:
420 (i) SEQUENCE CHARACTERISTICS:
--> 421 (A) LENGTH: 12
422 (B) TYPE: AMINO ACID
423 (D) TOPOLOGY: LINEAR
424 (ii) MOLECULE TYPE: PEPTIDE
425 (ix) FEATURE:
426 (A) NAME/KEY: heNOS [Cap-2-12, Cys13]
427 (B) LOCATION: HUMAN eNOS: AMINO TERMINAL WITH CAPROIC ACID
428 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
429 (D) OTHER INFORMATION:
430 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
431
--> 432 Cap-Gly Asn Leu Lys Ser Val Ala Gln Glu Pro Gly Cys
433 5 10
434
435

delete - inclusion in sequence - (ix) FEATURE: explanation is sufficient

627 (2) INFORMATION FOR SEQ ID NO: 32:
628 (i) SEQUENCE CHARACTERISTICS:
--> 629 (A) LENGTH: 18
630 (B) TYPE: AMINO ACID
631 (D) TOPOLOGY: LINEAR
632 (ii) MOLECULE TYPE: PEPTIDE
633 (ix) FEATURE:
634 (A) NAME/KEY: (A3) LOCUS HUMAN iNOS (25-42)
635 (B) LOCATION:
636 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
637 (D) OTHER INFORMATION:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:33:22

INPUT SET: S27446.raw

638 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 32:
639
640 Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser Ser
641 5 10
--> 642 Pro Val Thr Gln Asp-amide
643 15
644
645

*delete - indicate this is (ix) FEATURE:
section,
instead.*

646 (2) INFORMATION FOR SEQ ID NO: 33:
647 (i) SEQUENCE CHARACTERISTICS:
--> 648 (A) LENGTH: 18
649 (B) TYPE: AMINO ACID
650 (D) TOPOLOGY: LINEAR
651 (ii) MOLECULE TYPE: PEPTIDE
652 (ix) FEATURE:
653 (A) NAME/KEY: MOUSE INOS (25-42)
654 (B) LOCATION:
655 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
656 (D) OTHER INFORMATION:
657 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 33:
658
659 Asn Asn Asn Val Lys Lys Thr Pro Ser Ala Val Leu Ser
660 5 10
--> 661 Pro Thr Ile Gln Asp-amide
662 15
663
664

*(This
error
occurs
throughout
listing.
Please
edit)*

665 (2) INFORMATION FOR SEQ ID NO: 34:
666 (i) SEQUENCE CHARACTERISTICS:
--> 667 (A) LENGTH: 18
668 (B) TYPE: AMINO ACID
669 (D) TOPOLOGY: LINEAR
670 (ii) MOLECULE TYPE: PEPTIDE
671 (ix) FEATURE:
672 (A) NAME/KEY: RAT INOS (25-42)
673 (B) LOCATION:
674 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
675 (D) OTHER INFORMATION:
676 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 34:
677
678 Asn Asn Asn Val Glu Lys Thr Pro Gly Ala Ile Pro Ser
679 5 10
--> 680 Pro Thr Thr Gln Asp-amide
681 15
682
683

684 (2) INFORMATION FOR SEQ ID NO: 35:
685 (i) SEQUENCE CHARACTERISTICS:
--> 686 (A) LENGTH: 15
687 (B) TYPE: AMINO ACID

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:33:24

INPUT SET: S27446.raw

688 (D) TOPOLOGY: LINEAR
689 (ii) MOLECULE TYPE: PEPTIDE
690 (ix) FEATURE:
691 (A) NAME/KEY: HUMAN INOS (28-42)
692 (B) LOCATION:
693 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
694 (D) OTHER INFORMATION:
695 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 35:
696
697 Val Glu Lys Ala Pro Ser Ala Thr Ser Ser Pro Val Thr
698 5 10
--> 699 Gln Asp-amide
700 15
701
702

703 (2) INFORMATION FOR SEQ ID NO: 36:
704 (i) SEQUENCE CHARACTERISTICS:
--> 705 (A) LENGTH: 12
706 (B) TYPE: AMINO ACID
707 (D) TOPOLOGY: LINEAR
708 (ii) MOLECULE TYPE: PEPTIDE
709 (ix) FEATURE:
710 (A) NAME/KEY: HUMAN INOS (31-42)
711 (B) LOCATION:
712 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
713 (D) OTHER INFORMATION:
714 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 36:
715
--> 716 Ala Pro Ser Ala Thr Ser Ser Pro Val Thr Gln Asp-amide
717 5 10
718
719

720 (2) INFORMATION FOR SEQ ID NO: 37:
721 (i) SEQUENCE CHARACTERISTICS:
--> 722 (A) LENGTH: 9
723 (B) TYPE: AMINO ACID
724 (D) TOPOLOGY: LINEAR
725 (ii) MOLECULE TYPE: PEPTIDE
726 (ix) FEATURE:
727 (A) NAME/KEY: HUMAN INOS (34-42)
728 (B) LOCATION:
729 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
730 (D) OTHER INFORMATION:
731 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 37:
732
--> 733 Ala Thr Ser Ser Pro Val Thr Gln Asp-amide
734 5
735
736

737 (2) INFORMATION FOR SEQ ID NO: 38:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:33:26

INPUT SET: S27446.raw

738 (i) SEQUENCE CHARACTERISTICS:
--> 739 (A) LENGTH: 6
740 (B) TYPE: AMINO ACID
741 (D) TOPOLOGY: LINEAR
742 (ii) MOLECULE TYPE: PEPTIDE
743 (ix) FEATURE:
744 (A) NAME/KEY: HUMAN iNOS (37-42)
745 (B) LOCATION:
746 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
747 (D) OTHER INFORMATION:
748 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 38:
749
--> 750 Ser Pro Val Thr Gln Asp-amide
751 5
752
753

754 (2) INFORMATION FOR SEQ ID NO: 39:
755 (i) SEQUENCE CHARACTERISTICS:
--> 756 (A) LENGTH: 15
757 (B) TYPE: AMINO ACID
758 (D) TOPOLOGY: LINEAR
759 (ii) MOLECULE TYPE: PEPTIDE
760 (ix) FEATURE:
761 (A) NAME/KEY: HUMAN iNOS (25-39)
762 (B) LOCATION:
763 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
764 (D) OTHER INFORMATION:
765 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:
766
767 Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser Ser
768 5 10
--> 769 Pro Val-amide
770 15
771
772

773 (2) INFORMATION FOR SEQ ID NO: 40:
774 (i) SEQUENCE CHARACTERISTICS:
--> 775 (A) LENGTH: 12
776 (B) TYPE: AMINO ACID
777 (D) TOPOLOGY: LINEAR
778 (ii) MOLECULE TYPE: PEPTIDE
779 (ix) FEATURE:
780 (A) NAME/KEY: HUMAN iNOS (25-36)
781 (B) LOCATION:
782 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
783 (D) OTHER INFORMATION:
784 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:
785
--> 786 Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser-amide
787 5 10
788

INPUT SET: S27446.raw

789

790 (2) INFORMATION FOR SEQ ID NO: 41:
791 (i) SEQUENCE CHARACTERISTICS:
--> 792 (A) LENGTH: 9
793 (B) TYPE: AMINO ACID
794 (D) TOPOLOGY: LINEAR
795 (ii) MOLECULE TYPE: PEPTIDE
796 (ix) FEATURE:
797 (A) NAME/KEY: HUMAN iNOS (25-33)
798 (B) LOCATION:
799 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
800 (D) OTHER INFORMATION:
801 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:
802
--> 803 Asn Asn Asn Val Glu Lys Ala Pro Ser-amide
804 5
805
806

807 (2) INFORMATION FOR SEQ ID NO: 42:
808 (i) SEQUENCE CHARACTERISTICS:
--> 809 (A) LENGTH: 6
810 (B) TYPE: AMINO ACID
811 (D) TOPOLOGY: LINEAR
812 (ii) MOLECULE TYPE: PEPTIDE
813 (ix) FEATURE:
814 (A) NAME/KEY: HUMAN iNOS (25-30)
815 (B) LOCATION:
816 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
817 (D) OTHER INFORMATION:
818 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:
819
--> 820 Asn Asn Asn Val Glu Lys-amide
821 5
822
823

824 (2) INFORMATION FOR SEQ ID NO: 43:
825 (i) SEQUENCE CHARACTERISTICS:
--> 826 (A) LENGTH: 18
827 (B) TYPE: AMINO ACID
828 (D) TOPOLOGY: LINEAR
829 (ii) MOLECULE TYPE: PEPTIDE
830 (ix) FEATURE:
831 (A) NAME/KEY: (A4) LOCUS HUMAN iNOS (37-54)
832 (B) LOCATION:
833 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
834 (D) OTHER INFORMATION:
835 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:
836
837 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu
838 5 10

next page

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:33:29

INPUT SET: S27446.raw

--> 839 Ser Lys Gln Gln Asn-amide
840 15
841
842

843 (2) INFORMATION FOR SEQ ID NO: 44:
844 (i) SEQUENCE CHARACTERISTICS:
--> 845 (A) LENGTH: 15
846 (B) TYPE: AMINO ACID
847 (D) TOPOLOGY: LINEAR
848 (ii) MOLECULE TYPE: PEPTIDE
849 (ix) FEATURE:
850 (A) NAME/KEY: HUMAN iNOS (40-54)
851 (B) LOCATION:
852 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
853 (D) OTHER INFORMATION:
854 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:
855
856 Thr Gln Asp Asp Leu Gln Tyr His Asn Leu Ser Lys Gln
857 5 10
--> 858 Gln Asn-amide
859 15
860
861

862 (2) INFORMATION FOR SEQ ID NO: 45:
863 (i) SEQUENCE CHARACTERISTICS:
--> 864 (A) LENGTH: 12
865 (B) TYPE: AMINO ACID
866 (D) TOPOLOGY: LINEAR
867 (ii) MOLECULE TYPE: PEPTIDE
868 (ix) FEATURE:
869 (A) NAME/KEY: HUMAN iNOS (43-54)
870 (B) LOCATION:
871 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
872 (D) OTHER INFORMATION:
873 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:
874
--> 875 Asp Leu Gln Tyr His Asn Leu Ser Lys Gln Gln Asn-amide
876 5 10
877
878
879
880

881 (2) INFORMATION FOR SEQ ID NO: 46:
882 (i) SEQUENCE CHARACTERISTICS:
--> 883 (A) LENGTH: 9
884 (B) TYPE: AMINO ACID
885 (D) TOPOLOGY: LINEAR
886 (ii) MOLECULE TYPE: PEPTIDE
887 (ix) FEATURE:
888 (A) NAME/KEY: HUMAN iNOS (46-54)

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:33:31

INPUT SET: S27446.raw

889 (B) LOCATION:
890 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
891 (D) OTHER INFORMATION:
892 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:
893
--> 894 Tyr His Asn Leu Ser Lys Gln Gln Asn-amide
895 5
896
897

898 (2) INFORMATION FOR SEQ ID NO: 47:
899 (i) SEQUENCE CHARACTERISTICS:
--> 900 (A) LENGTH: 6
901 (B) TYPE: AMINO ACID
902 (D) TOPOLOGY: LINEAR
903 (ii) MOLECULE TYPE: PEPTIDE
904 (ix) FEATURE:
905 (A) NAME/KEY: HUMAN INOS (49-54)
906 (B) LOCATION:
907 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
908 (D) OTHER INFORMATION:
909 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:
910
--> 911 Leu Ser Lys Gln Gln Asn-amide
912 5
913
914

915 (2) INFORMATION FOR SEQ ID NO: 48:
916 (i) SEQUENCE CHARACTERISTICS:
--> 917 (A) LENGTH: 15
918 (B) TYPE: AMINO ACID
919 (D) TOPOLOGY: LINEAR
920 (ii) MOLECULE TYPE: PEPTIDE
921 (ix) FEATURE:
922 (A) NAME/KEY: HUMAN INOS (37-51)
923 (B) LOCATION:
924 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
925 (D) OTHER INFORMATION:
926 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 48:
927
928 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu
929 5 10
--> 930 Ser Lys-amide
931 15
932
933

934 (2) INFORMATION FOR SEQ ID NO: 49:
935 (i) SEQUENCE CHARACTERISTICS:
--> 936 (A) LENGTH: 12
937 (B) TYPE: AMINO ACID
938 (D) TOPOLOGY: LINEAR

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:33:32

INPUT SET: S27446.raw

939 (ii) MOLECULE TYPE: PEPTIDE
940 (ix) FEATURE:
941 (A) NAME/KEY: HUMAN iNOS (37-48)
942 (B) LOCATION:
943 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
944 (D) OTHER INFORMATION:
945 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 49:
946
--> 947 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn-amide
948 5 10
949
950

951 (2) INFORMATION FOR SEQ ID NO: 50:
952 (i) SEQUENCE CHARACTERISTICS:
--> 953 (A) LENGTH: 9
954 (B) TYPE: AMINO ACID
955 (D) TOPOLOGY: LINEAR
956 (ii) MOLECULE TYPE: PEPTIDE
957 (ix) FEATURE:
958 (A) NAME/KEY: HUMAN iNOS (37-45)
959 (B) LOCATION:
960 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
961 (D) OTHER INFORMATION:
962 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 50:
963
--> 964 Ser Pro Val Thr Gln Asp Asp Leu Gln-amide
965 5
966
967

968 (2) INFORMATION FOR SEQ ID NO: 51:
969 (i) SEQUENCE CHARACTERISTICS:
--> 970 (A) LENGTH: 6
971 (B) TYPE: AMINO ACID
972 (D) TOPOLOGY: LINEAR
973 (ii) MOLECULE TYPE: PEPTIDE
974 (ix) FEATURE:
975 (A) NAME/KEY: HUMAN iNOS (37-42)
976 (B) LOCATION:
977 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
978 (D) OTHER INFORMATION:
979 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 51:
980
--> 981 Ser Pro Val Thr Gln Asp-amide
982 5
983
984
985

986 (2) INFORMATION FOR SEQ ID NO: 52:
987 (i) SEQUENCE CHARACTERISTICS:
--> 988 (A) LENGTH: 18

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:33:34

INPUT SET: S27446.raw

989 (B) TYPE: AMINO ACID
990 (D) TOPOLOGY: LINEAR
991 (ii) MOLECULE TYPE: PEPTIDE
992 (ix) FEATURE:
993 (A) NAME/KEY: (F6) LOCUS HUMAN iNOS (781-798)
994 (B) LOCATION:
995 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
996 (D) OTHER INFORMATION:
997 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 52:
998
999 Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp
1000 5 10
--> 1001 Gly Pro Thr Pro His-amide
1002 15
1003
1004

1005 (2) INFORMATION FOR SEQ ID NO: 53:
1006 (i) SEQUENCE CHARACTERISTICS:
--> 1007 (A) LENGTH: 19
1008 (B) TYPE: AMINO ACID
1009 (D) TOPOLOGY: LINEAR
1010 (ii) MOLECULE TYPE: PEPTIDE
1011 (ix) FEATURE:
1012 (A) NAME/KEY: HUMAN eNOS (806-824)
1013 (B) LOCATION:
1014 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1015 (D) OTHER INFORMATION:
1016 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 53:
1017
1018 Pro Gly Leu Val Glu Ala Leu Leu Ser Arg Val Glu Asp
1019 5 10
--> 1020 Pro Pro Ala Pro Thr Glu-amide
1021 15
1022
1023

1024 (2) INFORMATION FOR SEQ ID NO: 54:
1025 (i) SEQUENCE CHARACTERISTICS:
--> 1026 (A) LENGTH: 15
1027 (B) TYPE: AMINO ACID
1028 (D) TOPOLOGY: LINEAR
1029 (ii) MOLECULE TYPE: PEPTIDE
1030 (ix) FEATURE:
1031 (A) NAME/KEY: HUMAN iNOS (784-798)
1032 (B) LOCATION:
1033 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1034 (D) OTHER INFORMATION:
1035 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 54:
1036
1037
1038 Val Gln Gly Ile Leu Glu Arg Val Val Asp Gly Pro Thr
1039 5 10

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INPUT SET: S27446.raw

--> 1040 Pro His-amide
1041 15
1042
1043

1044 (2) INFORMATION FOR SEQ ID NO: 55:
1045 (i) SEQUENCE CHARACTERISTICS:
--> 1046 (A) LENGTH: 12
1047 (B) TYPE: AMINO ACID
1048 (D) TOPOLOGY: LINEAR
1049 (ii) MOLECULE TYPE: PEPTIDE
1050 (ix) FEATURE:
1051 (A) NAME/KEY: HUMAN iNOS (787-798)
1052 (B) LOCATION:
1053 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1054 (D) OTHER INFORMATION:
1055 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 55:
1056
--> 1057 Ile Leu Glu Arg Val Val Asp Gly Pro Thr Pro His-amide
1058 5 10
1059
1060

1061 (2) INFORMATION FOR SEQ ID NO: 56:
1062 (i) SEQUENCE CHARACTERISTICS:
--> 1063 (A) LENGTH: 9
1064 (B) TYPE: AMINO ACID
1065 (D) TOPOLOGY: LINEAR
1066 (ii) MOLECULE TYPE: PEPTIDE
1067 (ix) FEATURE:
1068 (A) NAME/KEY: HUMAN iNOS (790-798)
1069 (B) LOCATION:
1070 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1071 (D) OTHER INFORMATION:
1072 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 56:
1073
--> 1074 Arg Val Val Asp Gly Pro Thr Pro His-amide
1075 5
1076
1077

1078 (2) INFORMATION FOR SEQ ID NO: 57:
1079 (i) SEQUENCE CHARACTERISTICS:
--> 1080 (A) LENGTH: 6
1081 (B) TYPE: AMINO ACID
1082 (D) TOPOLOGY: LINEAR
1083 (ii) MOLECULE TYPE: PEPTIDE
1084 (ix) FEATURE:
1085 (A) NAME/KEY: HUMAN iNOS (793-798)
1086 (B) LOCATION:
1087 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1088 (D) OTHER INFORMATION:
1089 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 57:

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INPUT SET: S27446.raw

1090
--> 1091 Asp Gly Pro Thr Pro His-amide
1092 5
1093
1094

1095 (2) INFORMATION FOR SEQ ID NO: 58:
1096 (i) SEQUENCE CHARACTERISTICS:
--> 1097 (A) LENGTH: 14
1098 (B) TYPE: AMINO ACID
1099 (D) TOPOLOGY: LINEAR
1100 (ii) MOLECULE TYPE: PEPTIDE
1101 (ix) FEATURE:
1102 (A) NAME/KEY: HUMAN iNOS (781-794)
1103 (B) LOCATION:
1104 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1105 (D) OTHER INFORMATION:
1106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 58:
1107
1108 Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp
1109 5 10
--> 1110 Gly-amide
1111
1112

1113 (2) INFORMATION FOR SEQ ID NO: 59:
1114 (i) SEQUENCE CHARACTERISTICS:
--> 1115 (A) LENGTH: 12
1116 (B) TYPE: AMINO ACID
1117 (D) TOPOLOGY: LINEAR
1118 (ii) MOLECULE TYPE: PEPTIDE
1119 (ix) FEATURE:
1120 (A) NAME/KEY: HUMAN iNOS (781-792)
1121 (B) LOCATION:
1122 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1123 (D) OTHER INFORMATION:
1124 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 59:
1125
--> 1126 Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val-amide
1127 5 10
1128
1129

1130 (2) INFORMATION FOR SEQ ID NO: 60:
1131 (i) SEQUENCE CHARACTERISTICS:
--> 1132 (A) LENGTH: 9
1133 (B) TYPE: AMINO ACID
1134 (D) TOPOLOGY: LINEAR
1135 (ii) MOLECULE TYPE: PEPTIDE
1136 (ix) FEATURE:
1137 (A) NAME/KEY: HUMAN iNOS (781-789)
1138 (B) LOCATION:
1139 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

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INPUT SET: S27446.raw

1140 (D) OTHER INFORMATION:
1141 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 60:
1142
--> 1143 Pro Ala Leu Val Gln Gly Ile Leu Glu-amide
1144 5
1145
1146

1147 (2) INFORMATION FOR SEQ ID NO: 61:
1148 (i) SEQUENCE CHARACTERISTICS:
--> 1149 (A) LENGTH: 6
1150 (B) TYPE: AMINO ACID
1151 (D) TOPOLOGY: LINEAR
1152 (ii) MOLECULE TYPE: PEPTIDE
1153 (ix) FEATURE:
1154 (A) NAME/KEY: HUMAN iNOS (781-786)
1155 (B) LOCATION:
1156 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1157 (D) OTHER INFORMATION:
1158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 61:
1159
--> 1160 Pro Ala Leu Val Gln Gly-amide
1161 5
1162
1163

1164 (2) INFORMATION FOR SEQ ID NO: 62:
1165 (i) SEQUENCE CHARACTERISTICS:
--> 1166 (A) LENGTH: 18
1167 (B) TYPE: AMINO ACID
1168 (D) TOPOLOGY: LINEAR
1169 (ii) MOLECULE TYPE: PEPTIDE
1170 (ix) FEATURE:
1171 (A) NAME/KEY: (G11) LOCUS HUMAN iNOS (985-1002)
1172 (B) LOCATION:
1173 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1174 (D) OTHER INFORMATION:
1175 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 62:
1176
1177 Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg Leu
1178 5 10
--> 1179 His Asp Ser Gln His-amide
1180 15
1181
1182

1183 (2) INFORMATION FOR SEQ ID NO: 63:
1184 (i) SEQUENCE CHARACTERISTICS:
--> 1185 (A) LENGTH: 18
1186 (B) TYPE: AMINO ACID
1187 (D) TOPOLOGY: LINEAR
1188 (ii) MOLECULE TYPE: PEPTIDE
1189 (ix) FEATURE:

RAW SEQUENCE LISTING
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INPUT SET: S27446.raw

1190 (A) NAME/KEY: HUMAN nNOS (1256-1273)
1191 (B) LOCATION:
1192 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1193 (D) OTHER INFORMATION:
1194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 63:
1195
1196 Gly Ile Ala Pro Phe Arg Ser Phe Trp Gln Gln Arg Gln
1197 5 10
--> 1198 Phe Asp Ile Gln His-amide
1199 15
1200
1201

1202 (2) INFORMATION FOR SEQ ID NO: 64:
1203 (i) SEQUENCE CHARACTERISTICS:
--> 1204 (A) LENGTH: 15
1205 (B) TYPE: AMINO ACID
1206 (D) TOPOLOGY: LINEAR
1207 (ii) MOLECULE TYPE: PEPTIDE
1208 (ix) FEATURE:
1209 (A) NAME/KEY: HUMAN eNOS (1017-1031)
1210 (B) LOCATION:
1211 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1212 (D) OTHER INFORMATION:
1213 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 64:
1214
1215 Gly Ile Ala Pro Phe Arg Gly Phe Trp Gln Glu Arg Leu
1216 5 10
--> 1217 His Asp-amide
1218 15
1219
1220

1221 (2) INFORMATION FOR SEQ ID NO: 65:
1222 (i) SEQUENCE CHARACTERISTICS:
--> 1223 (A) LENGTH: 15
1224 (B) TYPE: AMINO ACID
1225 (D) TOPOLOGY: LINEAR
1226 (ii) MOLECULE TYPE: PEPTIDE
1227 (ix) FEATURE:
1228 (A) NAME/KEY: HUMAN iNOS (988-1002)
1229 (B) LOCATION:
1230 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1231 (D) OTHER INFORMATION:
1232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 65:
1233
1234 Pro Phe Arg Ser Phe Trp Gln Gln Arg Leu His Asp Ser
1235 5 10
--> 1236 Gln His-amide
1237 15
1238
1239

1240 (2) INFORMATION FOR SEQ ID NO: 66:

RAW SEQUENCE LISTING
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TIME: 12:33:42

INPUT SET: S27446.raw

1241 (i) SEQUENCE CHARACTERISTICS:
--> 1242 (A) LENGTH: 12
1243 (B) TYPE: AMINO ACID
1244 (D) TOPOLOGY: LINEAR
1245 (ii) MOLECULE TYPE: PEPTIDE
1246 (ix) FEATURE:
1247 (A) NAME/KEY: HUMAN iNOS (991-1002)
1248 (B) LOCATION:
1249 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1250 (D) OTHER INFORMATION:
1251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 66:
1252
--> 1253 Ser Phe Trp Gln Gln Arg Leu His Asp Ser Gln His-amide
1254 5 10
1255
1256

1257 (2) INFORMATION FOR SEQ ID NO: 67:
1258 (i) SEQUENCE CHARACTERISTICS:
--> 1259 (A) LENGTH: 9
1260 (B) TYPE: AMINO ACID
1261 (D) TOPOLOGY: LINEAR
1262 (ii) MOLECULE TYPE: PEPTIDE
1263 (ix) FEATURE:
1264 (A) NAME/KEY: HUMAN iNOS (994-1002)
1265 (B) LOCATION:
1266 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1267 (D) OTHER INFORMATION:
1268 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 67:
1269
--> 1270 Gln Gln Arg Leu His Asp Ser Gln His-amide
1271 5
1272
1273

1274 (2) INFORMATION FOR SEQ ID NO: 68:
1275 (i) SEQUENCE CHARACTERISTICS:
--> 1276 (A) LENGTH: 5
1277 (B) TYPE: AMINO ACID
1278 (D) TOPOLOGY: LINEAR
1279 (ii) MOLECULE TYPE: PEPTIDE
1280 (ix) FEATURE:
1281 (A) NAME/KEY: HUMAN iNOS (997-1002)
1282 (B) LOCATION:
1283 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1284 (D) OTHER INFORMATION:
1285 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68:
1286
--> 1287 His Asp Ser Gln His-amide
1288 5
1289
1290

1291 (2) INFORMATION FOR SEQ ID NO: 69:

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PATENT APPLICATION US/08/833,506DATE: 07/14/98
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INPUT SET: S27446.raw

1292 (i) SEQUENCE CHARACTERISTICS:
--> 1293 (A) LENGTH: 15
1294 (B) TYPE: AMINO ACID
1295 (D) TOPOLOGY: LINEAR
1296 (ii) MOLECULE TYPE: PEPTIDE
1297 (ix) FEATURE:
1298 (A) NAME/KEY: HUMAN iNOS (985-998)
1299 (B) LOCATION:
1300 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1301 (D) OTHER INFORMATION:
1302 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 69:
1303
1304 Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg Leu
1305 5 10
--> 1306 His Asp-amide
1307 15
1308
1309

1310 (2) INFORMATION FOR SEQ ID NO: 70:
1311 (i) SEQUENCE CHARACTERISTICS:
--> 1312 (A) LENGTH: 12
1313 (B) TYPE: AMINO ACID
1314 (D) TOPOLOGY: LINEAR
1315 (ii) MOLECULE TYPE: PEPTIDE
1316 (ix) FEATURE:
1317 (A) NAME/KEY: HUMAN iNOS (985-996)
1318 (B) LOCATION:
1319 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1320 (D) OTHER INFORMATION:
1321 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 70:
1322
--> 1323 Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg-amide
1324 5 10
1325
1326

1327 (2) INFORMATION FOR SEQ ID NO: 71:
1328 (i) SEQUENCE CHARACTERISTICS:
--> 1329 (A) LENGTH: 9
1330 (B) TYPE: AMINO ACID
1331 (D) TOPOLOGY: LINEAR
1332 (ii) MOLECULE TYPE: PEPTIDE
1333 (ix) FEATURE:
1334 (A) NAME/KEY: HUMAN iNOS (985-993)
1335 (B) LOCATION:
1336 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1337 (D) OTHER INFORMATION:
1338 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 71:
1339
--> 1340 Gly Ile Val Pro Phe Arg Ser Phe Trp-amide
1341 5
1342

INPUT SET: S27446.raw

1343

1344 (2) INFORMATION FOR SEQ ID NO: 72:
1345 (i) SEQUENCE CHARACTERISTICS:
--> 1346 (A) LENGTH: 6
1347 (B) TYPE: AMINO ACID
1348 (D) TOPOLOGY: LINEAR
1349 (ii) MOLECULE TYPE: PEPTIDE
1350 (ix) FEATURE:
1351 (A) NAME/KEY: HUMAN iNOS (985-990)
1352 (B) LOCATION:
1353 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1354 (D) OTHER INFORMATION:
1355 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 72:
1356
--> 1357 Gly Ile Val Pro Phe Arg-amide
1358 5
1359
1360

1361 (2) INFORMATION FOR SEQ ID NO: 73:
1362 (i) SEQUENCE CHARACTERISTICS:
--> 1363 (A) LENGTH: 18
1364 (B) TYPE: AMINO ACID
1365 (D) TOPOLOGY: LINEAR
1366 (ii) MOLECULE TYPE: PEPTIDE
1367 (ix) FEATURE:
1368 (A) NAME/KEY: (H1) LOCUS HUMAN iNOS (1009-1026)
1369 (B) LOCATION:
1370 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1371 (D) OTHER INFORMATION:
1372 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 73:
1373
1374 Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro Asp Glu
1375 5 10
--> 1376 Asp His Ile Tyr Gln-amide
1377 15
1378
1379

1380 (2) INFORMATION FOR SEQ ID NO: 74:
1381 (i) SEQUENCE CHARACTERISTICS:
--> 1382 (A) LENGTH: 17
1383 (B) TYPE: AMINO ACID
1384 (D) TOPOLOGY: LINEAR
1385 (ii) MOLECULE TYPE: PEPTIDE
1386 (ix) FEATURE:
1387 (A) NAME/KEY: HUMAN eNOS (1041-1057)
1388 (B) LOCATION:
1389 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1390 (D) OTHER INFORMATION:
1391 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 74:
1392

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1393 Met Thr Leu Val Phe Gly Ser Arg Ser Ser Gln Leu Asp
1394
--> 1395 His Leu Tyr Arg-amide
1396 15
1397
1398

1399 (2) INFORMATION FOR SEQ ID NO: 75:
1400 (i) SEQUENCE CHARACTERISTICS:
--> 1401 (A) LENGTH: 17
1402 (B) TYPE: AMINO ACID
1403 (D) TOPOLOGY: LINEAR
1404 (ii) MOLECULE TYPE: PEPTIDE
1405 (ix) FEATURE:
1406 (A) NAME/KEY: HUMAN nNOS (1281-1297)
1407 (B) LOCATION:
1408 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1409 (D) OTHER INFORMATION:
1410 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 75:
1411
1412 Met Val Leu Val Phe Gly Ser Arg Gln Ser Lys Ile Asp
1413 10
--> 1414 His Ile Tyr Arg-amide
1415 15
1416
1417

1418 (2) INFORMATION FOR SEQ ID NO: 76:
1419 (i) SEQUENCE CHARACTERISTICS:
--> 1420 (A) LENGTH: 15
1421 (B) TYPE: AMINO ACID
1422 (D) TOPOLOGY: LINEAR
1423 (ii) MOLECULE TYPE: PEPTIDE
1424 (ix) FEATURE:
1425 (A) NAME/KEY: HUMAN iNOS (1012-1026)
1426 (B) LOCATION:
1427 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1428 (D) OTHER INFORMATION:
1429 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 76:
1430
1431 Leu Val Phe Gly Ser Arg Arg Pro Asp Glu Asp His Ile
1432 5 10
--> 1433 Tyr Gln-amide
1434 15
1435
1436

1437 (2) INFORMATION FOR SEQ ID NO: 77:
1438 (i) SEQUENCE CHARACTERISTICS:
--> 1439 (A) LENGTH: 12
1440 (B) TYPE: AMINO ACID
1441 (D) TOPOLOGY: LINEAR
1442 (ii) MOLECULE TYPE: PEPTIDE

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INPUT SET: S27446.raw

1443 (ix) FEATURE:
1444 (A) NAME/KEY: HUMAN iNOS (1015-1026)
1445 (B) LOCATION:
1446 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1447 (D) OTHER INFORMATION:
1448 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 77:
1449
--> 1450 Gly Ser Arg Arg Pro Asp Glu Asp His Ile Tyr Gln-amide
1451 5 10
1452
1453
1454
1455

1456 (2) INFORMATION FOR SEQ ID NO: 78:
1457 (i) SEQUENCE CHARACTERISTICS:
--> 1458 (A) LENGTH: 9
1459 (B) TYPE: AMINO ACID
1460 (D) TOPOLOGY: LINEAR
1461 (ii) MOLECULE TYPE: PEPTIDE
1462 (ix) FEATURE:
1463 (A) NAME/KEY: HUMAN iNOS (1018-1026)
1464 (B) LOCATION:
1465 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1466 (D) OTHER INFORMATION:
1467 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 78:
1468
--> 1469 Arg Pro Asp Glu Asp His Ile Tyr Gln-amide
1470 5
1471
1472

1473 (2) INFORMATION FOR SEQ ID NO: 79:
1474 (i) SEQUENCE CHARACTERISTICS:
--> 1475 (A) LENGTH: 6
1476 (B) TYPE: AMINO ACID
1477 (D) TOPOLOGY: LINEAR
1478 (ii) MOLECULE TYPE: PEPTIDE
1479 (ix) FEATURE:
1480 (A) NAME/KEY: HUMAN iNOS (1021-1026)
1481 (B) LOCATION:
1482 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1483 (D) OTHER INFORMATION:
1484 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 79:
1485
--> 1486 Glu Asp His Ile Tyr Gln-amide
1487 5
1488
1489

1490 (2) INFORMATION FOR SEQ ID NO: 80:
1491 (i) SEQUENCE CHARACTERISTICS:
--> 1492 (A) LENGTH: 15

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INPUT SET: S27446.raw

1493 (B) TYPE: AMINO ACID
1494 (D) TOPOLOGY: LINEAR
1495 (ii) MOLECULE TYPE: PEPTIDE
1496 (ix) FEATURE:
1497 (A) NAME/KEY: HUMAN iNOS (1009-1023)
1498 (B) LOCATION:
1499 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1500 (D) OTHER INFORMATION:
1501 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 80:
1502
1503 Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro Asp Glu
1504 5 10
--> 1505 Asp His-amide
1506 15
1507
1508

1509 (2) INFORMATION FOR SEQ ID NO: 81:
1510 (i) SEQUENCE CHARACTERISTICS:
--> 1511 (A) LENGTH: 11
1512 (B) TYPE: AMINO ACID
1513 (D) TOPOLOGY: LINEAR
1514 (ii) MOLECULE TYPE: PEPTIDE
1515 (ix) FEATURE:
1516 (A) NAME/KEY: HUMAN iNOS (1009-1020)
1517 (B) LOCATION:
1518 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1519 (D) OTHER INFORMATION:
1520 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 81:
1521
--> 1522 Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro-amide
1523 5 10
1524
1525

1526 (2) INFORMATION FOR SEQ ID NO: 82:
1527 (i) SEQUENCE CHARACTERISTICS:
--> 1528 (A) LENGTH: 9
1529 (B) TYPE: AMINO ACID
1530 (D) TOPOLOGY: LINEAR
1531 (ii) MOLECULE TYPE: PEPTIDE
1532 (ix) FEATURE:
1533 (A) NAME/KEY: HUMAN iNOS (1009-1017)
1534 (B) LOCATION:
1535 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1536 (D) OTHER INFORMATION:
1537 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 82:
1538
--> 1539 Arg Met Thr Leu Val Phe Gly Ser Arg-amide
1540 5
1541
1542

1543 (2) INFORMATION FOR SEQ ID NO: 83:

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INPUT SET: S27446.raw

1544 (i) SEQUENCE CHARACTERISTICS:
--> 1545 (A) LENGTH: 6
1546 (B) TYPE: AMINO ACID
1547 (D) TOPOLOGY: LINEAR
1548 (ii) MOLECULE TYPE: PEPTIDE
1549 (ix) FEATURE:
1550 (A) NAME/KEY: HUMAN iNOS (1009-1014)
1551 (B) LOCATION:
1552 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1553 (D) OTHER INFORMATION:
1554 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 83:
1555
--> 1556 Arg Met Thr Leu Val Phe-amide
1557 5
1558
1559
1560

1595 (2) INFORMATION FOR SEQ ID NO: 86:
1596 (i) SEQUENCE CHARACTERISTICS:
--> 1597 (A) LENGTH: 18
1598 (B) TYPE: AMINO ACID
1599 (D) TOPOLOGY: LINEAR
1600 (ii) MOLECULE TYPE: PEPTIDE
1601 (ix) FEATURE:
1602 (A) NAME/KEY: HUMAN iNOS (37-54)
1603 (B) LOCATION:
1604 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1605 (D) OTHER INFORMATION:
1606 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 86:
1607
1608 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu
1609 5 10
--> 1610 Ser Lys Gln Gln Asn-amide
1611 15
1612
1613

1614 (2) INFORMATION FOR SEQ ID NO: 87:
1615 (i) SEQUENCE CHARACTERISTICS:
--> 1616 (A) LENGTH: 5
1617 (B) TYPE: AMINO ACID
1618 (D) TOPOLOGY: LINEAR
1619 (ii) MOLECULE TYPE: PEPTIDE
1620 (ix) FEATURE:
1621 (A) NAME/KEY: HUMAN iNOS (41-45)
1622 (B) LOCATION:
1623 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1624 (D) OTHER INFORMATION:
1625 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 87:
1626
--> 1627 Gln Asp Asp Leu Gln-amide
1628 5

INPUT SET: S27446.raw

1629
1630

1631 (2) INFORMATION FOR SEQ ID NO: 88:
1632 (i) SEQUENCE CHARACTERISTICS:
--> 1633 (A) LENGTH: 6
1634 (B) TYPE: AMINO ACID
1635 (D) TOPOLOGY: LINEAR
1636 (ii) MOLECULE TYPE: PEPTIDE
1637 (ix) FEATURE:
1638 (A) NAME/KEY: HUMAN INOS (40-45)
1639 (B) LOCATION:
1640 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1641 (D) OTHER INFORMATION:
1642 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 88:
1643
--> 1644 Thr Gln Asp Asp Leu Gln-amide
1645 5
1646
1647

1648 (2) INFORMATION FOR SEQ ID NO: 89:
1649 (i) SEQUENCE CHARACTERISTICS:
--> 1650 (A) LENGTH: 7
1651 (B) TYPE: AMINO ACID
1652 (D) TOPOLOGY: LINEAR
1653 (ii) MOLECULE TYPE: PEPTIDE
1654 (ix) FEATURE:
1655 (A) NAME/KEY: HUMAN INOS (39-45)
1656 (B) LOCATION:
1657 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1658 (D) OTHER INFORMATION:
1659 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 89:
1660
--> 1661 Val Thr Gln Asp Asp Leu Gln-amide
1662 5
1663
1664
1665
1666

1667 (2) INFORMATION FOR SEQ ID NO: 90:
1668 (i) SEQUENCE CHARACTERISTICS:
--> 1669 (A) LENGTH: 8
1670 (B) TYPE: AMINO ACID
1671 (D) TOPOLOGY: LINEAR
1672 (ii) MOLECULE TYPE: PEPTIDE
1673 (ix) FEATURE:
1674 (A) NAME/KEY: HUMAN INOS (38-45)
1675 (B) LOCATION:
1676 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1677 (D) OTHER INFORMATION:
1678 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 90:

INPUT SET: S27446.raw

1679
--> 1680 Pro Val Thr Gln Asp Asp Leu Gln-amide
1681 5
1682
1683

1684 (2) INFORMATION FOR SEQ ID NO: 91:
1685 (i) SEQUENCE CHARACTERISTICS:
--> 1686 (A) LENGTH: 9
1687 (B) TYPE: AMINO ACID
1688 (D) TOPOLOGY: LINEAR
1689 (ii) MOLECULE TYPE: PEPTIDE
1690 (ix) FEATURE:
1691 (A) NAME/KEY: HUMAN iNOS (37-45)
1692 (B) LOCATION:
1693 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1694 (D) OTHER INFORMATION:
1695 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 91:
1696
--> 1697 Ser Pro Val Thr Gln Asp Asp Leu Gln-amide
1698 5
1699
1700

1701 (2) INFORMATION FOR SEQ ID NO: 92:
1702 (i) SEQUENCE CHARACTERISTICS:
--> 1703 (A) LENGTH: 5
1704 (B) TYPE: AMINO ACID
1705 (D) TOPOLOGY: LINEAR
1706 (ii) MOLECULE TYPE: PEPTIDE
1707 (ix) FEATURE:
1708 (A) NAME/KEY: HUMAN iNOS (40-44)
1709 (B) LOCATION:
1710 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1711 (D) OTHER INFORMATION:
1712 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 92:
1713
--> 1714 Thr Gln Asp Asp Leu-amide
1715 5
1716
1717
1718

1719 (2) INFORMATION FOR SEQ ID NO: 93:
1720 (i) SEQUENCE CHARACTERISTICS:
--> 1721 (A) LENGTH: 6
1722 (B) TYPE: AMINO ACID
1723 (D) TOPOLOGY: LINEAR
1724 (ii) MOLECULE TYPE: PEPTIDE
1725 (ix) FEATURE:
1726 (A) NAME/KEY: HUMAN iNOS (39-44)
1727 (B) LOCATION:
1728 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

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1729 (D) OTHER INFORMATION:
1730 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 93:
1731
--> 1732 Val Thr Gln Asp Asp Leu-amide
1733 5
1734
1735

1736 (2) INFORMATION FOR SEQ ID NO: 94:
1737 (i) SEQUENCE CHARACTERISTICS:
--> 1738 (A) LENGTH: 7
1739 (B) TYPE: AMINO ACID
1740 (D) TOPOLOGY: LINEAR
1741 (ii) MOLECULE TYPE: PEPTIDE
1742 (ix) FEATURE:
1743 (A) NAME/KEY: HUMAN iNOS (38-44)
1744 (B) LOCATION:
1745 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1746 (D) OTHER INFORMATION:
1747 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 94:
1748
--> 1749 Pro Val Thr Gln Asp Asp Leu-amide
1750 5
1751
1752

1753 (2) INFORMATION FOR SEQ ID NO: 95:
1754 (i) SEQUENCE CHARACTERISTICS:
--> 1755 (A) LENGTH: 8
1756 (B) TYPE: AMINO ACID
1757 (D) TOPOLOGY: LINEAR
1758 (ii) MOLECULE TYPE: PEPTIDE
1759 (ix) FEATURE:
1760 (A) NAME/KEY: HUMAN iNOS (37-44)
1761 (B) LOCATION:
1762 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1763 (D) OTHER INFORMATION:
1764 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 95:
1765
--> 1766 Ser Pro Val Thr Gln Asp Asp Leu-amide
1767 5
1768
1769
1770

1771 (2) INFORMATION FOR SEQ ID NO: 96:
1772 (i) SEQUENCE CHARACTERISTICS:
--> 1773 (A) LENGTH: 9
1774 (B) TYPE: AMINO ACID
1775 (D) TOPOLOGY: LINEAR
1776 (ii) MOLECULE TYPE: PEPTIDE
1777 (ix) FEATURE:
1778 (A) NAME/KEY: HUMAN iNOS (36-44)

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1779 (B) LOCATION:
1780 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1781 (D) OTHER INFORMATION:
1782 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 96:
1783
--> 1784 Ser Ser Pro Val Thr Gln Asp Asp Leu-amide
1785 5
1786
1787

1788 (2) INFORMATION FOR SEQ ID NO: 97:
1789 (i) SEQUENCE CHARACTERISTICS:
--> 1790 (A) LENGTH: 5
1791 (B) TYPE: AMINO ACID
1792 (D) TOPOLOGY: LINEAR
1793 (ii) MOLECULE TYPE: PEPTIDE
1794 (ix) FEATURE:
1795 (A) NAME/KEY: HUMAN INOS (39-43)
1796 (B) LOCATION:
1797 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1798 (D) OTHER INFORMATION:
1799 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97:
1800
--> 1801 Val Thr Gln Asp Asp-amide
1802 5
1803
1804

1805 (2) INFORMATION FOR SEQ ID NO: 98:
1806 (i) SEQUENCE CHARACTERISTICS:
--> 1807 (A) LENGTH: 6
1808 (B) TYPE: AMINO ACID
1809 (D) TOPOLOGY: LINEAR
1810 (ii) MOLECULE TYPE: PEPTIDE
1811 (ix) FEATURE:
1812 (A) NAME/KEY: HUMAN INOS (38-43)
1813 (B) LOCATION:
1814 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1815 (D) OTHER INFORMATION:
1816 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 98:
1817
--> 1818 Pro Val Thr Gln Asp Asp-amide
1819 5
1820
1821
1822

1823 (2) INFORMATION FOR SEQ ID NO: 99:
1824 (i) SEQUENCE CHARACTERISTICS:
--> 1825 (A) LENGTH: 7
1826 (B) TYPE: AMINO ACID
1827 (D) TOPOLOGY: LINEAR
1828 (ii) MOLECULE TYPE: PEPTIDE

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1829 (ix) FEATURE:
1830 (A) NAME/KEY: HUMAN iNOS (37-43)
1831 (B) LOCATION:
1832 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1833 (D) OTHER INFORMATION:
1834 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 99:
1835
--> 1836 Ser Pro Val Thr Gln Asp Asp-amide
1837 5
1838
1839

1840 (2) INFORMATION FOR SEQ ID NO: 100:
1841 (i) SEQUENCE CHARACTERISTICS:
--> 1842 (A) LENGTH: 8
1843 (B) TYPE: AMINO ACID
1844 (D) TOPOLOGY: LINEAR
1845 (ii) MOLECULE TYPE: PEPTIDE
1846 (ix) FEATURE:
1847 (A) NAME/KEY: HUMAN iNOS (36-43)
1848 (B) LOCATION:
1849 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1850 (D) OTHER INFORMATION:
1851 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 100:
1852
--> 1853 Ser Ser Pro Val Thr Gln Asp Asp-amide
1854 5
1855
1856

1857 (2) INFORMATION FOR SEQ ID NO: 101:
1858 (i) SEQUENCE CHARACTERISTICS:
--> 1859 (A) LENGTH: 9
1860 (B) TYPE: AMINO ACID
1861 (D) TOPOLOGY: LINEAR
1862 (ii) MOLECULE TYPE: PEPTIDE
1863 (ix) FEATURE:
1864 (A) NAME/KEY: HUMAN iNOS (35-43)
1865 (B) LOCATION:
1866 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1867 (D) OTHER INFORMATION:
1868 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 101:
1869
--> 1870 Thr Ser Ser Pro Val Thr Gln Asp Asp-amide
1871 5
1872
1873
1874

1875 (2) INFORMATION FOR SEQ ID NO: 102:
1876 (i) SEQUENCE CHARACTERISTICS:
--> 1877 (A) LENGTH: 18
1878 (B) TYPE: AMINO ACID

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1879 (D) TOPOLOGY: LINEAR
1880 (ii) MOLECULE TYPE: PEPTIDE
1881 (ix) FEATURE:
1882 (A) NAME/KEY: HUMAN iNOS (37-54)
1883 (B) LOCATION:
1884 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1885 (D) OTHER INFORMATION:
1886 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 102:
1887
1888 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu
1889 5 10
--> 1890 Ser Lys Gln Gln Asn-amide
1891 15
1892
1893

1894 (2) INFORMATION FOR SEQ ID NO: 103:
1895 (i) SEQUENCE CHARACTERISTICS:
--> 1896 (A) LENGTH: 15
1897 (B) TYPE: AMINO ACID
1898 (D) TOPOLOGY: LINEAR
1899 (ii) MOLECULE TYPE: PEPTIDE
1900 (ix) FEATURE:
1901 (A) NAME/KEY: HUMAN iNOS (40-54)
1902 (B) LOCATION:
1903 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1904 (D) OTHER INFORMATION:
1905 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 103:
1906
1907 Thr Gln Asp Asp Leu Gln Tyr His Asn Leu Ser Lys Gln
1908 5 10
--> 1909 Gln Asn-amide
1910 15
1911
1912

1913 (2) INFORMATION FOR SEQ ID NO: 104:
1914 (i) SEQUENCE CHARACTERISTICS:
--> 1915 (A) LENGTH: 12
1916 (B) TYPE: AMINO ACID
1917 (D) TOPOLOGY: LINEAR
1918 (ii) MOLECULE TYPE: PEPTIDE
1919 (ix) FEATURE:
1920 (A) NAME/KEY: HUMAN iNOS (43-54)
1921 (B) LOCATION:
1922 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1923 (D) OTHER INFORMATION:
1924 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 104:
1925
1926
--> 1927 Asp Leu Gln Tyr His Asn Leu Ser Lys Gln Gln Asn-amide
1928 5 10
1929

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1930

1931 (2) INFORMATION FOR SEQ ID NO: 105:
1932 (i) SEQUENCE CHARACTERISTICS:
--> 1933 (A) LENGTH: 9
1934 (B) TYPE: AMINO ACID
1935 (D) TOPOLOGY: LINEAR
1936 (ii) MOLECULE TYPE: PEPTIDE
1937 (ix) FEATURE:
1938 (A) NAME/KEY: HUMAN iNOS (46-54)
1939 (B) LOCATION:
1940 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1941 (D) OTHER INFORMATION:
1942 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 105:
1943
--> 1944 Tyr His Asn Leu Ser Lys Gln Gln Asn-amide
1945 5
1946
1947

1948 (2) INFORMATION FOR SEQ ID NO: 106:
1949 (i) SEQUENCE CHARACTERISTICS:
--> 1950 (A) LENGTH: 6
1951 (B) TYPE: AMINO ACID
1952 (D) TOPOLOGY: LINEAR
1953 (ii) MOLECULE TYPE: PEPTIDE
1954 (ix) FEATURE:
1955 (A) NAME/KEY: HUMAN iNOS (49-54)
1956 (B) LOCATION:
1957 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1958 (D) OTHER INFORMATION:
1959 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 106:
1960
--> 1961 Leu Ser Lys Gln Gln Asn-amide
1962 5
1963
1964

1965 (2) INFORMATION FOR SEQ ID NO: 107:
1966 (i) SEQUENCE CHARACTERISTICS:
--> 1967 (A) LENGTH: 15
1968 (B) TYPE: AMINO ACID
1969 (D) TOPOLOGY: LINEAR
1970 (ii) MOLECULE TYPE: PEPTIDE
1971 (ix) FEATURE:
1972 (A) NAME/KEY: HUMAN iNOS (37-51)
1973 (B) LOCATION:
1974 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1975 (D) OTHER INFORMATION:
1976 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 107:
1977
1978 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu
1979 5 10

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--> 1980 Ser Lys-amide
1981 15
1982
1983

1984 (2) INFORMATION FOR SEQ ID NO: 108:
1985 (i) SEQUENCE CHARACTERISTICS:
--> 1986 (A) LENGTH: 12
1987 (B) TYPE: AMINO ACID
1988 (D) TOPOLOGY: LINEAR
1989 (ii) MOLECULE TYPE: PEPTIDE
1990 (ix) FEATURE:
1991 (A) NAME/KEY: HUMAN iNOS (37-48)
1992 (B) LOCATION:
1993 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
1994 (D) OTHER INFORMATION:
1995 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 108:
1996
--> 1997 Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn-amide
1998 5 10
1999
2000

2001 (2) INFORMATION FOR SEQ ID NO: 109:
2002 (i) SEQUENCE CHARACTERISTICS:
--> 2003 (A) LENGTH: 9
2004 (B) TYPE: AMINO ACID
2005 (D) TOPOLOGY: LINEAR
2006 (ii) MOLECULE TYPE: PEPTIDE
2007 (ix) FEATURE:
2008 (A) NAME/KEY: HUMAN iNOS (37-45)
2009 (B) LOCATION:
2010 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2011 (D) OTHER INFORMATION:
2012 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 109:
2013
--> 2014 Ser Pro Val Thr Gln Asp Asp Leu Gln-amide
2015 5
2016
2017

2018 (2) INFORMATION FOR SEQ ID NO: 110:
2019 (i) SEQUENCE CHARACTERISTICS:
--> 2020 (A) LENGTH: 6
2021 (B) TYPE: AMINO ACID
2022 (D) TOPOLOGY: LINEAR
2023 (ii) MOLECULE TYPE: PEPTIDE
2024 (ix) FEATURE:
2025 (A) NAME/KEY: HUMAN iNOS (37-42)
2026 (B) LOCATION:
2027 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2028 (D) OTHER INFORMATION:
2029 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 110:

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INPUT SET: S27446.raw

2030
2031
--> 2032 Ser Pro Val Thr Gln Asp-amide
2033 5
2034
2035

2036 (2) INFORMATION FOR SEQ ID NO: 111:
2037 (i) SEQUENCE CHARACTERISTICS:
--> 2038 (A) LENGTH: 10
2039 (B) TYPE: AMINO ACID
2040 (D) TOPOLOGY: LINEAR
2041 (ii) MOLECULE TYPE: PEPTIDE
2042 (ix) FEATURE:
2043 (A) NAME/KEY: HUMAN iNOS (35-44)
2044 (B) LOCATION:
2045 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2046 (D) OTHER INFORMATION:
2047 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 111:
2048
--> 2049 Thr Ser Ser Pro Val Thr Gln Asp Asp Leu-amide
2050 5 10
2051
2052

2053 (2) INFORMATION FOR SEQ ID NO: 112:
2054 (i) SEQUENCE CHARACTERISTICS:
--> 2055 (A) LENGTH: 18
2056 (B) TYPE: AMINO ACID
2057 (D) TOPOLOGY: LINEAR
2058 (ii) MOLECULE TYPE: PEPTIDE
2059 (ix) FEATURE:
2060 (A) NAME/KEY: HUMAN iNOS (781-798)
2061 (B) LOCATION:
2062 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2063 (D) OTHER INFORMATION:
2064 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 112:
2065
2066 Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp
2067 5 10
--> 2068 Gly Pro Thr Pro His-amide
2069 15
2070
2071

2072 (2) INFORMATION FOR SEQ ID NO: 113:
2073 (i) SEQUENCE CHARACTERISTICS:
--> 2074 (A) LENGTH: 5
2075 (B) TYPE: AMINO ACID
2076 (D) TOPOLOGY: LINEAR
2077 (ii) MOLECULE TYPE: PEPTIDE
2078 (ix) FEATURE:
2079 (A) NAME/KEY: HUMAN iNOS (788-792)

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2080 (B) LOCATION:
2081 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2082 (D) OTHER INFORMATION:
2083
2084 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 113:
2085
--> 2086 Leu Glu Arg Val Val^{amide}
2087 5
2088
2089

2090 (2) INFORMATION FOR SEQ ID NO: 114:
2091 (i) SEQUENCE CHARACTERISTICS:
--> 2092 (A) LENGTH: 6
2093 (B) TYPE: AMINO ACID
2094 (D) TOPOLOGY: LINEAR
2095 (ii) MOLECULE TYPE: PEPTIDE
2096 (ix) FEATURE:
2097 (A) NAME/KEY: HUMAN iNOS (787-792)
2098 (B) LOCATION:
2099 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2100 (D) OTHER INFORMATION:
2101 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 114:
2102
--> 2103 Ile Leu Glu Arg Val Val^{amide}
2104 5
2105
2106

2107 (2) INFORMATION FOR SEQ ID NO: 115:
2108 (i) SEQUENCE CHARACTERISTICS:
--> 2109 (A) LENGTH: 7
2110 (B) TYPE: AMINO ACID
2111 (D) TOPOLOGY: LINEAR
2112 (ii) MOLECULE TYPE: PEPTIDE
2113 (ix) FEATURE:
2114 (A) NAME/KEY: HUMAN iNOS (786-792)
2115 (B) LOCATION:
2116 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2117 (D) OTHER INFORMATION:
2118 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 115:
2119
--> 2120 Gly Ile Leu Glu Arg Val Val^{amide}
2121 5
2122
2123

2124 (2) INFORMATION FOR SEQ ID NO: 116:
2125 (i) SEQUENCE CHARACTERISTICS:
--> 2126 (A) LENGTH: 8
2127 (B) TYPE: AMINO ACID
2128 (D) TOPOLOGY: LINEAR
2129 (ii) MOLECULE TYPE: PEPTIDE

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2130 (ix) FEATURE:
2131 (A) NAME/KEY: HUMAN iNOS (785-792)
2132 (B) LOCATION:
2133 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2134 (D) OTHER INFORMATION:
2135
2136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 116:
2137
--> 2138 Gln Gly Ile Leu Glu Arg Val Val-amide
2139 5
2140
2141

2142 (2) INFORMATION FOR SEQ ID NO: 117:
2143 (i) SEQUENCE CHARACTERISTICS:
--> 2144 (A) LENGTH: 9
2145 (B) TYPE: AMINO ACID
2146 (D) TOPOLOGY: LINEAR
2147 (ii) MOLECULE TYPE: PEPTIDE
2148 (ix) FEATURE:
2149 (A) NAME/KEY: HUMAN iNOS (784-792)
2150 (B) LOCATION:
2151 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2152 (D) OTHER INFORMATION:
2153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 117:
2154
--> 2155 Val Gln Gly Ile Leu Glu Arg Val Val-amide
2156 5
2157
2158

2159 (2) INFORMATION FOR SEQ ID NO: 118:
2160 (i) SEQUENCE CHARACTERISTICS:
--> 2161 (A) LENGTH: 5
2162 (B) TYPE: AMINO ACID
2163 (D) TOPOLOGY: LINEAR
2164 (ii) MOLECULE TYPE: PEPTIDE
2165 (ix) FEATURE:
2166 (A) NAME/KEY: HUMAN iNOS (787-791)
2167 (B) LOCATION:
2168 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2169 (D) OTHER INFORMATION:
2170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 118:
2171
--> 2172 Ile Leu Glu Arg Val-amide
2173 5
2174
2175

2176 (2) INFORMATION FOR SEQ ID NO: 119:
2177 (i) SEQUENCE CHARACTERISTICS:
--> 2178 (A) LENGTH: 6
2179 (B) TYPE: AMINO ACID

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INPUT SET: S27446.raw

2180 (D) TOPOLOGY: LINEAR
2181 (ii) MOLECULE TYPE: PEPTIDE
2182 (ix) FEATURE:
2183 (A) NAME/KEY: HUMAN iNOS (786-791)
2184 (B) LOCATION:
2185 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2186 (D) OTHER INFORMATION:
2187
2188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 119:
2189
--> 2190 Gly Ile Leu Glu Arg Val-amide
2191 5
2192
2193

2194 (2) INFORMATION FOR SEQ ID NO: 120:
2195 (i) SEQUENCE CHARACTERISTICS:
--> 2196 (A) LENGTH: 7
2197 (B) TYPE: AMINO ACID
2198 (D) TOPOLOGY: LINEAR
2199 (ii) MOLECULE TYPE: PEPTIDE
2200 (ix) FEATURE:
2201 (A) NAME/KEY: HUMAN iNOS (785-791)
2202 (B) LOCATION:
2203 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2204 (D) OTHER INFORMATION:
2205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 120:
2206
--> 2207 Gln Gly Ile Leu Glu Arg Val-amide
2208 5
2209
2210

2211 (2) INFORMATION FOR SEQ ID NO: 121:
2212 (i) SEQUENCE CHARACTERISTICS:
--> 2213 (A) LENGTH: 8
2214 (B) TYPE: AMINO ACID
2215 (D) TOPOLOGY: LINEAR
2216 (ii) MOLECULE TYPE: PEPTIDE
2217 (ix) FEATURE:
2218 (A) NAME/KEY: HUMAN iNOS (784-791)
2219 (B) LOCATION:
2220 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2221 (D) OTHER INFORMATION:
2222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 121:
2223
--> 2224 Val Gln Gly Ile Leu Glu Arg Val-amide
2225 5
2226
2227

2228 (2) INFORMATION FOR SEQ ID NO: 122:
2229 (i) SEQUENCE CHARACTERISTICS:

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INPUT SET: S27446.raw

--> 2230 (A) LENGTH: 9
2231 (B) TYPE: AMINO ACID
2232 (D) TOPOLOGY: LINEAR
2233 (ii) MOLECULE TYPE: PEPTIDE
2234 (ix) FEATURE:
2235 (A) NAME/KEY: HUMAN iNOS (783-791)
2236 (B) LOCATION:
2237 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2238 (D) OTHER INFORMATION:
2239
2240 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 122:
2241
--> 2242 Leu Val Gln Gly Ile Leu Glu Arg Val-amide
2243 5
2244
2245

2246 (2) INFORMATION FOR SEQ ID NO: 123:
2247 (i) SEQUENCE CHARACTERISTICS:
--> 2248 (A) LENGTH: 5
2249 (B) TYPE: AMINO ACID
2250 (D) TOPOLOGY: LINEAR
2251 (ii) MOLECULE TYPE: PEPTIDE
2252 (ix) FEATURE:
2253 (A) NAME/KEY: HUMAN iNOS (786-790)
2254 (B) LOCATION:
2255 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2256 (D) OTHER INFORMATION:
2257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 123:
2258
--> 2259 Gly Ile Leu Glu Arg-amide
2260 5
2261
2262

2263 (2) INFORMATION FOR SEQ ID NO: 124:
2264 (i) SEQUENCE CHARACTERISTICS:
--> 2265 (A) LENGTH: 6
2266 (B) TYPE: AMINO ACID
2267 (D) TOPOLOGY: LINEAR
2268 (ii) MOLECULE TYPE: PEPTIDE
2269 (ix) FEATURE:
2270 (A) NAME/KEY: HUMAN iNOS (785-790)
2271 (B) LOCATION:
2272 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2273 (D) OTHER INFORMATION:
2274 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 124:
2275
--> 2276 Gln Gly Ile Leu Glu Arg-amide
2277 5
2278
2279

2280 (2) INFORMATION FOR SEQ ID NO: 125:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:34:13

INPUT SET: S27446.raw

2281 (i) SEQUENCE CHARACTERISTICS:
--> 2282 (A) LENGTH: 7
2283 (B) TYPE: AMINO ACID
2284 (D) TOPOLOGY: LINEAR
2285 (ii) MOLECULE TYPE: PEPTIDE
2286 (ix) FEATURE:
2287 (A) NAME/KEY: HUMAN iNOS (784-790)
2288 (B) LOCATION:
2289 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2290 (D) OTHER INFORMATION:
2291
2292 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 125:
2293
--> 2294 Val Gln Gly Ile Leu Glu Arg-amide
2295 5
2296
2297

2298 (2) INFORMATION FOR SEQ ID NO: 126:
2299 (i) SEQUENCE CHARACTERISTICS:
--> 2300 (A) LENGTH: 8
2301 (B) TYPE: AMINO ACID
2302 (D) TOPOLOGY: LINEAR
2303 (ii) MOLECULE TYPE: PEPTIDE
2304 (ix) FEATURE:
2305 (A) NAME/KEY: HUMAN iNOS (783-790)
2306 (B) LOCATION:
2307 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
2308 (D) OTHER INFORMATION:
2309
2310 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 126:
2311
--> 2312 Leu Val Gln Gly Ile Leu Glu Arg-amide
2313 5
2314

SEQUENCE VERIFICATION REPORT

PATENT APPLICATION US/08/833,506

DATE: 07/14/98
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INPUT SET: S27446.raw

Line	Error	Original Text
7	Number of Sequences (85) Doesn't Equal Actual Count (126)	(iii) NUMBER OF SEQUENCES: 85
21	Wrong application Serial Number	(A) APPLICATION NUMBER: 08/634,332
135	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
146	Wrong Amino Acid Designator	Xxx Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val
155	Entered (18) and Calc. Seq. Length (15) differ	(A) LENGTH: 18
166	Wrong Amino Acid Designator	Xxx Xxx Leu Val Gln Gly Ile Leu Glu Arg Val Val
166	Wrong Amino Acid Designator	Xxx Xxx Leu Val Gln Gly Ile Leu Glu Arg Val Val
168	Wrong Amino Acid Designator	Cys Ser Ser Pro Xxx
250	Entered (18) and Calc. Seq. Length (15) differ	(A) LENGTH: 18
263	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
263	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
263	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
269	Entered (18) and Calc. Seq. Length (15) differ	(A) LENGTH: 18
282	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
282	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
282	Wrong Amino Acid Designator	His Asp Xxx Xxx Xxx
421	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
432	Wrong Amino Acid Designator	Cap-Gly Asn Leu Lys Ser Val Ala Gln Glu Pro Gly
629	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
642	Wrong Amino Acid Designator	Pro Val Thr Gln Asp-amide
648	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
661	Wrong Amino Acid Designator	Pro Thr Ile Gln Asp-amide
667	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
680	Wrong Amino Acid Designator	Pro Thr Thr Gln Asp-amide
686	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
699	Wrong Amino Acid Designator	Gln Asp-amide
705	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
716	Wrong Amino Acid Designator	Ala Pro Ser Ala Thr Ser Ser Pro Val Thr Gln Asp-a
722	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
733	Wrong Amino Acid Designator	Ala Thr Ser Ser Pro Val Thr Gln Asp-amide
739	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
750	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp-amide
756	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
769	Wrong Amino Acid Designator	Pro Val-amide
775	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
786	Wrong Amino Acid Designator	Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser-a
792	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
803	Wrong Amino Acid Designator	Asn Asn Asn Val Glu Lys Ala Pro Ser-amide
809	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
820	Wrong Amino Acid Designator	Asn Asn Asn Val Glu Lys-amide
826	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
839	Wrong Amino Acid Designator	Ser Lys Gln Gln Asn-amide
845	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
858	Wrong Amino Acid Designator	Gln Asn-amide
864	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
875	Wrong Amino Acid Designator	Asp Leu Gln Tyr His Asn Leu Ser Lys Gln Gln Asn
883	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
894	Wrong Amino Acid Designator	Tyr His Asn Leu Ser Lys Gln Gln Asn-amide

SEQUENCE VERIFICATION REPORT

PATENT APPLICATION US/08/833,506

DATE: 07/14/98
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INPUT SET: S27446.raw

Line	Error	Original Text
900	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
911	Wrong Amino Acid Designator	Leu Ser Lys Gln Gln Asn-amide
917	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
930	Wrong Amino Acid Designator	Ser Lys-amide
936	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
947	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn-
953	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
964	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln-amide
970	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
981	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp-amide
988	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1001	Wrong Amino Acid Designator	Gly Pro Thr Pro His-amide
1007	Entered (19) and Calc. Seq. Length (18) differ	(A) LENGTH: 19
1020	Wrong Amino Acid Designator	Pro Pro Ala Pro Thr Glu-amide
1026	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1040	Wrong Amino Acid Designator	Pro His-amide
1046	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1057	Wrong Amino Acid Designator	Ile Leu Glu Arg Val Val Asp Gly Pro Thr Pro His-a
1063	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1074	Wrong Amino Acid Designator	Arg Val Val Asp Gly Pro Thr Pro His-amide
1080	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1091	Wrong Amino Acid Designator	Asp Gly Pro Thr Pro His-amide
1097	Entered (14) and Calc. Seq. Length (13) differ	(A) LENGTH: 14
1110	Wrong Amino Acid Designator	Gly-amide
1115	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1126	Wrong Amino Acid Designator	Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val-a
1132	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1143	Wrong Amino Acid Designator	Pro Ala Leu Val Gln Gly Ile Leu Glu-amide
1149	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1160	Wrong Amino Acid Designator	Pro Ala Leu Val Gln Gly-amide
1166	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1179	Wrong Amino Acid Designator	His Asp Ser Gln His-amide
1185	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1198	Wrong Amino Acid Designator	Phe Asp Ile Gln His-amide
1204	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1217	Wrong Amino Acid Designator	His Asp-amide
1223	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1236	Wrong Amino Acid Designator	Gln His-amide
1242	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1253	Wrong Amino Acid Designator	Ser Phe Trp Gln Gln Arg Leu His Asp Ser Gln His-a
1259	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1270	Wrong Amino Acid Designator	Gln Gln Arg Leu His Asp Ser Gln His-amide
1276	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
1287	Wrong Amino Acid Designator	His Asp Ser Gln His-amide
1293	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1306	Wrong Amino Acid Designator	His Asp-amide
1312	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1323	Wrong Amino Acid Designator	Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg-a

SEQUENCE VERIFICATION REPORT

PATENT APPLICATION US/08/833,506

DATE: 07/14/98
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INPUT SET: S27446.raw

Line	Error	Original Text
1329	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1340	Wrong Amino Acid Designator	Gly Ile Val Pro Phe Arg Ser Phe Trp-amide
1346	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1357	Wrong Amino Acid Designator	Gly Ile Val Pro Phe Arg-amide
1363	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1376	Wrong Amino Acid Designator	Asp His Ile Tyr Gln-amide
1382	Entered (17) and Calc. Seq. Length (16) differ	(A) LENGTH: 17
1395	Wrong Amino Acid Designator	His Leu Tyr Arg-amide
1401	Entered (17) and Calc. Seq. Length (16) differ	(A) LENGTH: 17
1414	Wrong Amino Acid Designator	His Ile Tyr Arg-amide
1420	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1433	Wrong Amino Acid Designator	Tyr Gln-amide
1439	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1450	Wrong Amino Acid Designator	Gly Ser Arg Arg Pro Asp Glu Asp His Ile Tyr Gln-a
1458	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1469	Wrong Amino Acid Designator	Arg Pro Asp Glu Asp His Ile Tyr Gln-amide
1475	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1486	Wrong Amino Acid Designator	Glu Asp His Ile Tyr Gln-amide
1492	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1505	Wrong Amino Acid Designator	Asp His-amide
1511	Entered (11) and Calc. Seq. Length (10) differ	(A) LENGTH: 11
1522	Wrong Amino Acid Designator	Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro-amid
1528	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1539	Wrong Amino Acid Designator	Arg Met Thr Leu Val Phe Gly Ser Arg-amide
1545	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1556	Wrong Amino Acid Designator	Arg Met Thr Leu Val Phe-amide
1597	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1610	Wrong Amino Acid Designator	Ser Lys Gln Gln Asn-amide
1616	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
1627	Wrong Amino Acid Designator	Gln Asp Asp Leu Gln-amide
1633	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1644	Wrong Amino Acid Designator	Thr Gln Asp Asp Leu Gln-amide
1650	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
1661	Wrong Amino Acid Designator	Val Thr Gln Asp Asp Leu Gln-amide
1669	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
1680	Wrong Amino Acid Designator	Pro Val Thr Gln Asp Asp Leu Gln-amide
1686	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1697	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln-amide
1703	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
1714	Wrong Amino Acid Designator	Thr Gln Asp Asp Leu-amide
1721	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1732	Wrong Amino Acid Designator	Val Thr Gln Asp Asp Leu-amide
1738	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
1749	Wrong Amino Acid Designator	Pro Val Thr Gln Asp Asp Leu-amide
1755	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
1766	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu-amide
1773	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1784	Wrong Amino Acid Designator	Ser Ser Pro Val Thr Gln Asp Asp Leu-amide

SEQUENCE VERIFICATION REPORT

PATENT APPLICATION US/08/833,506

DATE: 07/14/98
TIME: 12:34:26

INPUT SET: S27446.raw

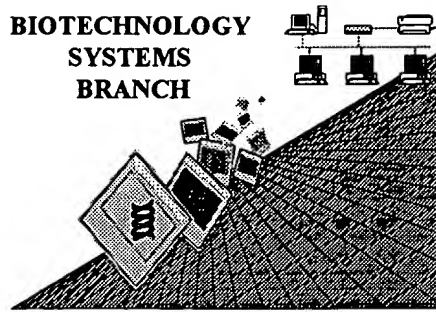
Line	Error	Original Text
1790	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
1801	Wrong Amino Acid Designator	Val Thr Gln Asp Asp-amide
1807	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1818	Wrong Amino Acid Designator	Pro Val Thr Gln Asp Asp-amide
1825	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
1836	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp-amide
1842	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
1853	Wrong Amino Acid Designator	Ser Ser Pro Val Thr Gln Asp Asp-amide
1859	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1870	Wrong Amino Acid Designator	Thr Ser Ser Pro Val Thr Gln Asp Asp-amide
1877	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
1890	Wrong Amino Acid Designator	Ser Lys Gln Gln Asn-amide
1896	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1909	Wrong Amino Acid Designator	Gln Asn-amide
1915	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1927	Wrong Amino Acid Designator	Asp Leu Gln Tyr His Asn Leu Ser Lys Gln Gln Asn
1933	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
1944	Wrong Amino Acid Designator	Tyr His Asn Leu Ser Lys Gln Gln Asn-amide
1950	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
1961	Wrong Amino Acid Designator	Leu Ser Lys Gln Gln Asn-amide
1967	Entered (15) and Calc. Seq. Length (14) differ	(A) LENGTH: 15
1980	Wrong Amino Acid Designator	Ser Lys-amide
1986	Entered (12) and Calc. Seq. Length (11) differ	(A) LENGTH: 12
1997	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn-
2003	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
2014	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp Asp Leu Gln-amide
2020	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
2032	Wrong Amino Acid Designator	Ser Pro Val Thr Gln Asp-amide
2038	Entered (10) and Calc. Seq. Length (9) differ	(A) LENGTH: 10
2049	Wrong Amino Acid Designator	Thr Ser Ser Pro Val Thr Gln Asp Asp Leu-amide
2055	Entered (18) and Calc. Seq. Length (17) differ	(A) LENGTH: 18
2068	Wrong Amino Acid Designator	Gly Pro Thr Pro His-amide
2074	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
2086	Wrong Amino Acid Designator	Leu Glu Arg Val Val-amide
2092	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
2103	Wrong Amino Acid Designator	Ile Leu Glu Arg Val Val-amide
2109	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
2120	Wrong Amino Acid Designator	Gly Ile Leu Glu Arg Val Val-amide
2126	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
2138	Wrong Amino Acid Designator	Gln Gly Ile Leu Glu Arg Val Val-amide
2144	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
2155	Wrong Amino Acid Designator	Val Gln Gly Ile Leu Glu Arg Val Val-amide
2161	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
2172	Wrong Amino Acid Designator	Ile Leu Glu Arg Val-amide
2178	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
2190	Wrong Amino Acid Designator	Gly Ile Leu Glu Arg Val-amide
2196	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
2207	Wrong Amino Acid Designator	Gln Gly Ile Leu Glu Arg Val-amide

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/833,506DATE: 07/14/98
TIME: 12:34:27

INPUT SET: S27446.raw

Line	Error	Original Text
2213	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
2224	Wrong Amino Acid Designator	Val Gln Gly Ile Leu Glu Arg Val-amide
2230	Entered (9) and Calc. Seq. Length (8) differ	(A) LENGTH: 9
2242	Wrong Amino Acid Designator	Leu Val Gln Gly Ile Leu Glu Arg Val-amide
2248	Entered (5) and Calc. Seq. Length (4) differ	(A) LENGTH: 5
2259	Wrong Amino Acid Designator	Gly Ile Leu Glu Arg-amide
2265	Entered (6) and Calc. Seq. Length (5) differ	(A) LENGTH: 6
2276	Wrong Amino Acid Designator	Gln Gly Ile Leu Glu Arg-amide
2282	Entered (7) and Calc. Seq. Length (6) differ	(A) LENGTH: 7
2294	Wrong Amino Acid Designator	Val Gln Gly Ile Leu Glu Arg-amide
2300	Entered (8) and Calc. Seq. Length (7) differ	(A) LENGTH: 8
2312	Wrong Amino Acid Designator	Leu Val Gln Gly Ile Leu Glu Arg-amide

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The Patent and Trademark Office (PTO) has developed a computer program, called Checker, that will aid applicants in identifying and correcting errors prior to making submissions for compliance with the Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (Sequence Rules: 37CFR 1.821 through 1.825). Final rules were published in the *Federal Register* (55 FR18230) on May 1, 1990, and in the PTO *Official Gazette* (1114 Off.Gaz.PatOffice 29) on May 15, 1990.

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